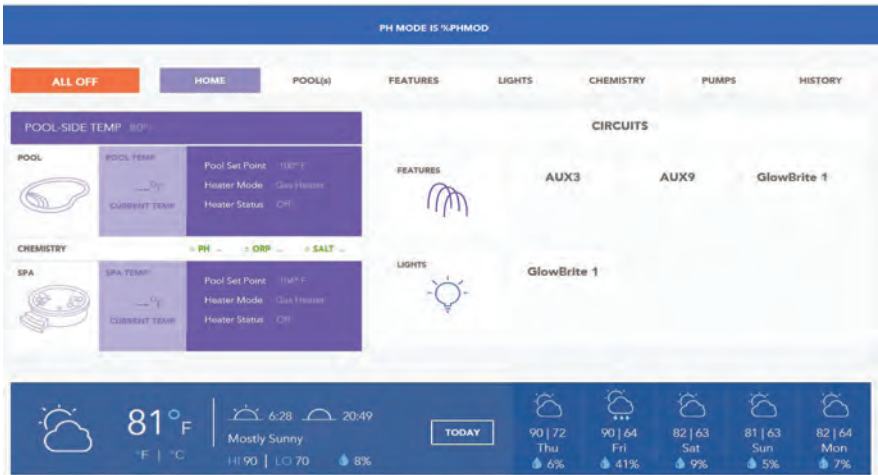




INTELLICENTER CONTROL SYSTEM WEB APPLICATION



USER'S GUIDE

CUSTOMER SERVICE / TECHNICAL SUPPORT

Customer Service (8 A.M. to 8 P.M.)

Phone: (800) 831-7133

Fax: (800) 284-4151

Web site

Visit www.pentairpool.com

Technical Support

Sanford, North Carolina (8 A.M. to 8 P.M. ET)

Phone: (919) 566-8000

Fax: (919) 566-8920

Moorpark, California (8 A.M. to 5 P.M. PT)

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IntelliCenter® Control System

Web App Overview

Welcome to the Pentair IntelliCenter Control System Web application.

This User's Guide contains all of the information you need to remotely access daily pool and spa operations using the Web Application.

Features

- 4" x 2.5" capacitive touch sensitive color touch screen with finger tap navigation, 1280 x 720 resolution
- Day Time and Night Time color screen modes
- Multifunction Schedules/Programs
- Adjustable schedule timer for easy system scheduling
- 100 Schedules/Programs
- Adjustable schedule timer for easy system scheduling
- Wireless Control Panel "Deep Sleep" extend battery life feature
- 64 Feature Circuits: Allow additional speeds on a variable speed pump or an actuator to be assigned without using an existing auxiliary circuit.
- 16 Groups: Assign groups of lighting, heaters, pumps circuits that can be controlled by a single button.
- Supports up to 16 IntelliFlo® VF and VS Pumps
- Supports up to four SpaCommand® and iS10 Spa Side Remotes, and 2 iS4 and QuickTouch® II Wireless Spa Side Remotes
- Supports IntelliBrite® LED Color lights
- Valves: Intake/Return plus A and B valve circuits. Expandable up to 13 valves.
- 20 custom circuit naming - 92 Pre-installed names
- Indoor Control Panel, Wireless Hand-Held Remote, Outdoor Control Panel
- IntelliChlor® and iChlor® Salt Chlorine Generator compatibility
- 40 Auxiliary circuits (includes three Expansion Panels)
- 32 Feature circuits
- Spa, Manual Heat Function
- Supports two separate bodies of water using model i10D Personality Card
- System Reboot from touch screen control panels
- Spa Side Control Enable/Disable
- Solar Heating Option/Support
- 16 Heat Pump Support: RS485 Support, Heat Pump Cooling Support.
- Safety and Functional Delay(s) and Cancel Systems Delays
- Real Time Clock
- Assignable Circuit Names and Custom Circuit Names
- Special Circuit Functions
- Two Speed Pump Support
- English/Metric Support
- Sensor Calibration
- Passcode Protection
- USB port for use with a standard flash drive. Save the complete system's configuration, upgrade the system's firmware.

Overview

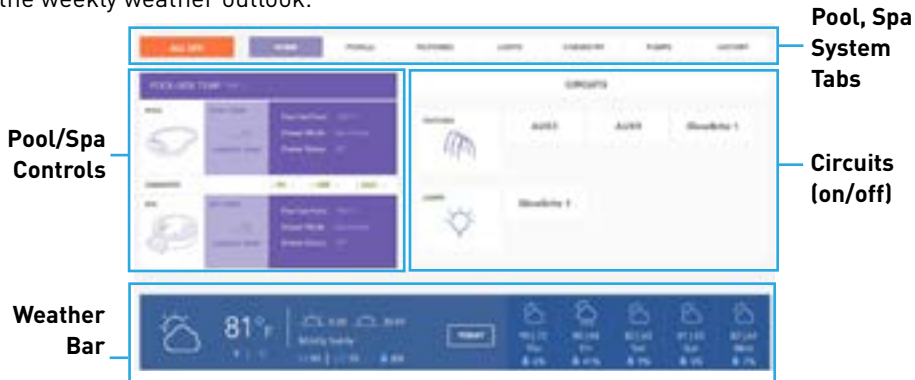
The IntelliCenter® Control System Web Application Home screen gives you complete control of your pool and spa from anywhere via the Internet.

Home Screen

Displays the Home screen. Click on the tabs to access the Web App features: The Pool, Features, Lights, Chemistry, Pumps and History screens to control adjust pool/spa water temperature, turn on/off pump, Lights, circuits and sanitization.

Weather Bar: Display the current ambient temperature.

Today/Forecast: Click Today/Forecast to toggle between the current weather and the weekly weather outlook.



POOL-SIDE TEMP (Temp 77°F): Displays the current ambient temperature.

ALL OFF / ALL ON: Use this button to switch all light circuits on or off.

HOME: Displays the Home screen. Adjust heater temperature setpoint. Manually turn pool/spa light circuits and Feature circuits on/off. Click on the Home screen tabs to access Pool and Spa settings, Features, Lights, Chemistry, and Pumps settings and History screens. Control the pool and spa daily operations.

POOL(s) (see page 3): Displays the Pool/Spa settings. Turn pool filter pump on/off. Adjust heater temperature setpoint.

FEATURES (see page 8): Displays the Features circuits (lights, cleaners ect.). Turn on/off assigned feature circuits.

LIGHTS (see page 9): Displays the light circuits. Turn individual and all light circuits on/off. Select light shows and fixed colors.

CHEMISTRY (see page 11): Display the installed IntelliChlor SCG and/or IntelliChem devices. Control IntelliChlor® SCG and IntelliChem® Controller chemistry sensitizers. Adjust water, pH and ORP levels, and pool and spa chlorine levels.

PUMPS (see page 14): Displays the installed pump circuits and settings. Control pump circuits. View IntelliFlo pumps speed (RPM), flow rates (GPM) and power usage (Watts vs Peak usage).

HISTORY (see page 17): Displays the pool and spa equipment usage. View current pool, spa, solar and air temperatures and chemistry pH and ORP feeds.

Home Screen (Top Bar Options)

Notifications Icon

Click the Bell icon on the top of the screen to display the available Notifications options. The Bell icon with Red Number Badge indicates the current number of system status, warnings and alerts. *See Settings > General Settings > Notifications to manage message types (Circuit (0-1), IntelliChem® (0-16), Pumps (0-10), Heaters (11) and IntelliChlor® SCG (0-8), page 18.*



Filter By: Click the Filter By box to see the options:

All: Display all notification categories.

Alerts: Display all current alerts messages.

Warnings: Display all current warnings that may require immediate attention.

Information: Display general system information.

Status Messages: Display current status information. The system water and air sensors are constantly monitored for errors. If a sensor error is detected, the displayed error is listed in the Status Messages.

Local Messages: Display local system messages (email, etc.)

Gear Icon: (Located top right side corner of screen)

Click the Gear icon to display the current USER information and Logout option.

Logged in as: Displays the current name of user@pentair.com

Change Username/Email Address:

Change username and email address.

Change Password: Change current user password.

Manage Pools: Login to another user to manage the pool operations.



3 Line Icon (Located top right side corner of screen)

Click the Line icon to display the system options.

Manage My Pool: Display the current user's Home screen.

Settings (see page 18): Display system settings:

Home, Lights Group, Schedules, Vacation and System Configuration. Use the Settings feature to configure pool/spa equipment settings. For more information, see Settings on page 17.

Manage Users (see page 4-5): Display all system user's email accounts. Add or delete guest and administrator user from this screen.

Manage Installations (see page 6): Display all user system installations.

Enable/Disable Spa-Side Remotes: Enable/Disable current users installed spa-side remotes.

Users Guide: Web App Online User's Guide (PDF).

About: Displays the Web App software version.

Logout: Logout of current user account.



MANAGE MY POOL
 SETTINGS
 MANAGE USERS
 MANAGE SYSTEMS
 ENABLE/DISABLE SPA-SIDE REMOTES
 USERS GUIDE
 ABOUT
 LOGOUT

Add Users and Login to the Web App

Before you can login in to www.intellicenter.com using the Web App, you need to add a new user account name and email address in the IntelliCenter™ Control System Outdoor Control Panel located in the main system Load Center.

Pentair User Portal/Add a New Account:

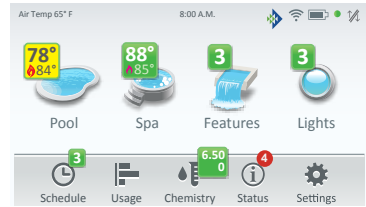
From the Home screen on the Outdoor Control Panel tap **Settings > Pentair User Portal**.

Enable Web & Mobile Interface: Tap this button and select ON.

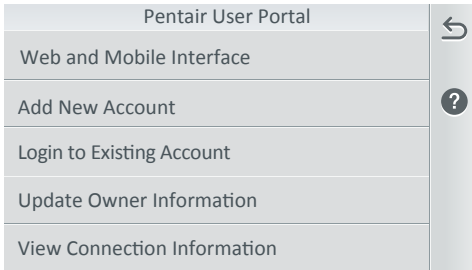
Add New Account: Enter the owner's information, email address, property name, password. The system will attempt to connect to the owner's account email address (via the Internet) to www.intellicenter.com.

Connecting to your pool using the Web App: Go

to www.intellicenter.com and sign in using the pool owner's user email address. Select the your pool listed on the Installations screen to display the Home screen.



Pentair User Portal



Web and Mobile Interface: Tap to access the Web and Mobile Interface screen. The default setting for Web Interface is ON. This enables the Web App and Mobile Interface which allows local network and Internet communications to your home network. To disable Web based and mobile interface, set to OFF.



Note: For the IntelliCenter Control System to connect to the Web requires connection of the Wireless Bridge Transceiver Antenna to the Outdoor main circuit board. For installation instructions, see the IntelliCenter Control System Installation and User's Guide.

Login to Existing Account (www.intellicenter.com): Enter email address and password. The system will attempt to connect to the owner's account email address via the Internet connection.

Update Owner Information: Edit owner information: Property Name, Name of Owner, Address, City, State, Zip Code, County, Time Zone, Phone Number, E-Mail. Location information is populated when entered in General > Location, Date & Time.

View Connection Information: View server connection information: Last messages received, total number of server connects.

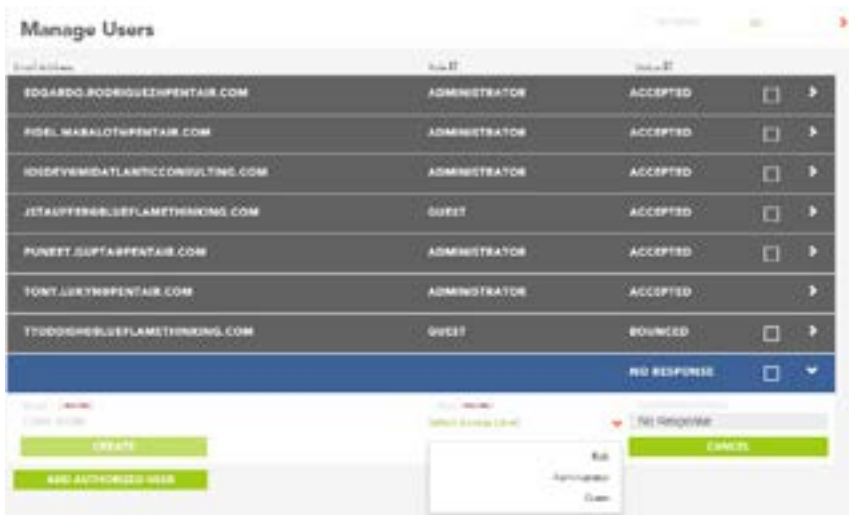
Add Users and Login to the Web App (Continued)

Manage Users

To access the Manage Users screen, click the 3 Line icon located top right side of the screen. Click Manage My Pool to close this screen and return to the main Pool/Spa screen.

The Manage Users screen displays the system user's name and email accounts and level of assigned access (Administrator, guest). Add or delete user accounts from this screen. **Note: Each user name and email address displayed in the Manager Users screen must match with user name and email address in the Pentair User Portal Outdoor Control Panel. For more information see page 4.**

Add Authorized User: Enter the users name and address.
Select Access Level: Select either Administrator or Guest.



Add Users and Login to the Web App (Continued)

Manage Installations

To access the Manage Installations screen, click the 3 Line icon located at the top right side of the screen. Click Manage My Pool to close this screen and return to the main Pool/Spa screen.

The Manage Users screen displays the system user's name and email accounts and level of assigned access (Administrator, guest). Add or delete user accounts from this screen. **Note: Each user name and email address displayed in the Manager Users screen must match with user name and email address in the Pentair User Portal Outdoor Control Panel. For more information see page 5.**

Manage Installations: Display user system installations information.

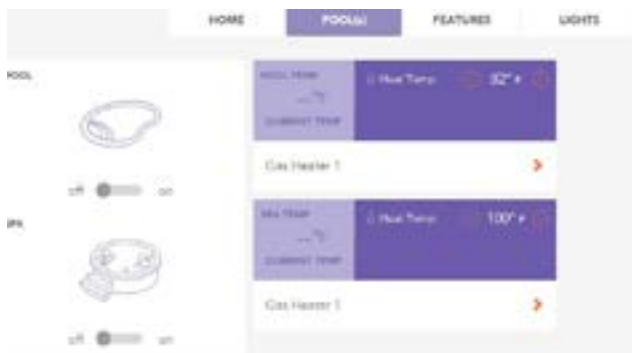
View User Account Information: Click on the Installation name to view the user account information.

The screenshot displays the 'INSTALLATIONS' page in the Pentair web application. At the top, there is a search bar and a 'VIEW' dropdown menu set to 'ALL'. The main content area is a table listing various installations. Below the table, there is a green bar indicating '17490 Connected 10:00' and a 'MANAGE INSTALLATIONS' button.

Name	ID	Location
AAA	40-110	
BBB	40-111	
CHICAGO	1940 Mainfield Dr, Rosemont Park, IL 60012	40-01
DEWIER	40-02	
ED1	40-103	
ED11	40-104	
MILWAU	40-00	

Pool(s) Pool/Spa Controls

To view the Pool/Spa controls, Click on the POOL(S) tab from the Home screen. Click the Home tab to return to the Home screen.



Pool(s): To access the Pool and Spa settings, click on the Pool or Spa icon on the Home screen.

Current Temp: Displays the current pool water temperature.

Pool On/Off Slider: Click Off/On to turn pool filter pump off/on.

Spa On/Off Slider: Click Off/On to turn spa filter pump off/on.

Pool /Spa Temp: Displays the current pool or spa water set point temperature. Click **+ or -** to increase or decrease the pool or spa water set point temperature.

Heat Temp: Heat Temp flame icon indicates the heat source is active.

Gas Heater (Pool or Spa): Click to access heat source settings. Turn heat source On or Off.

Features

Features: Click the Features tab on the Home screen to display the Feature circuits screen. Use the ON/OFF button to turn a Feature Circuit (AUX) on or off. There are two types of Feature Circuits, **Generic** or **Spillway** (pool/spa) circuit or **Groups** of combined auxiliary circuits (water features, set spa, jets, set spa heater temperature, switch on spa lighting etc.). Click the Home tab to return to the Home screen.



Assign a Feature Circuit: From Settings (3 line icon, top right corner of screen, see page 2) select System Configuration > Circuits > Feature Circuits.

Feature Circuits: Displays the assigned Feature Circuits. Click Add Feature Circuit to add a Feature Circuit.

Show as Feature (Yes/No): Show assigned Feature Circuits on the Home screen Features screen.

Egg Timer: Display Egg Timer duration.

Circuit Name: Enter a Circuit Name.

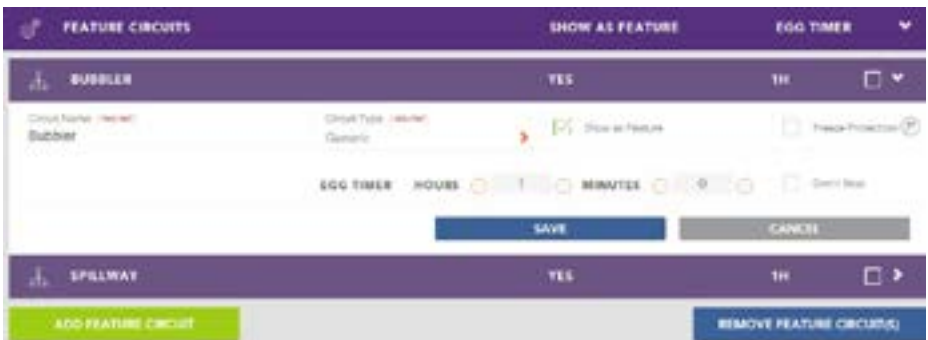
Circuit Type: Choose Generic or Spillway.

Show As Feature: Display the Feature Circuit on Home Screen

Freeze Protection: Enable/Disable circuit freeze protection.

Egg Timer: Hours, Minutes, Don't Stop (0-24 hrs.). Select a manual time-out of 0-12 hours for this circuit (Default is 12 hrs.). The Egg Timer is a specified time delay (hrs/mins) for the circuit, once it is turned on.

Freeze Protection: Assign this circuit freeze protection.



Lights

Lights (Home Screen): Click on the Lights icon or the Lights tab on the Home screen to access light circuits. Use the Home screen Light AUX circuits to manually switch individual light circuits on or off or use the **All On /All Off** button to turn on or off all light circuits including Groups of lights (see page 10). Click the Home tab to return to the Home screen.

Note: To assign light circuits; from Settings (3 line icon, top right corner of screen, see page 2) select System Configuration > Circuits. Light circuits settings include the Egg Timer (Don't Stop), Show as Feature and Freeze Protection.

Note: For Light Groups, see page 10.



Light ON/OFF Button (Color Sync™, MicroBrite® IntelliBrite®, ColorCascade®, GloBrite® Light (Color and White), and MagicStream® lights): Click the ALL ON / ALL OFF to turn all light circuits on or off.

GloBrite White Light Dimmer Level: Click the GloBrite White button to adjust the brightness level. Use the +/- button to increase or decrease the brightness levels of the light. Brightness levels are from 50%, 75% and 100% increments.

Fixed Light Colors: White, Green Blue, Red, Light Green, Aqua, Magenta and Light Red): For IntelliBrite, ColorCascade, GloBrite Light, and MagicStream: To change the color of the light; from the Select Light screen, click one of the colors, then click one of the displayed color buttons to select a SAM color. Click the On/ AUX light name button to turn the selected light on or off. Click on AUX to stop the SAM light Rotation feature. To Capture a color, click the Capture button. **Note:** Color choice is light dependant. Some lights only display white.

Light Shows: IntelliBrite, ColorCascade, GloBrite Light, and MagicStream: Click one of the displayed Light Shows to switch the light show on or off. The options are: *Romance, American, Royalty, Party, Caribbean, and Sunset.*

Lights (Continued)

MagicStream (IntelliBrite® Light) Lighting Features

Capture: You choose one color of light. The color does not change

Rotate Start, Rotate Stop: Start or stop light colors.

Color Sync: Sync all colors with other MagicStream® light.

Color changing mode: the color of the light changes automatically, according to one of the following three programs:

Color Sync: In this mode, multiple laminars will change colors together.

Random: Colors will change at about ten second intervals but in a completely random sequence. In this mode, multiple laminars will NOT change colors together.

Party: Colors will change randomly and slowly at first, then speed up, until the sequence ends with quick flashes and strobes. The sequence then repeats, beginning with the slow changes. In this mode, multiple laminars will NOT change colors together.

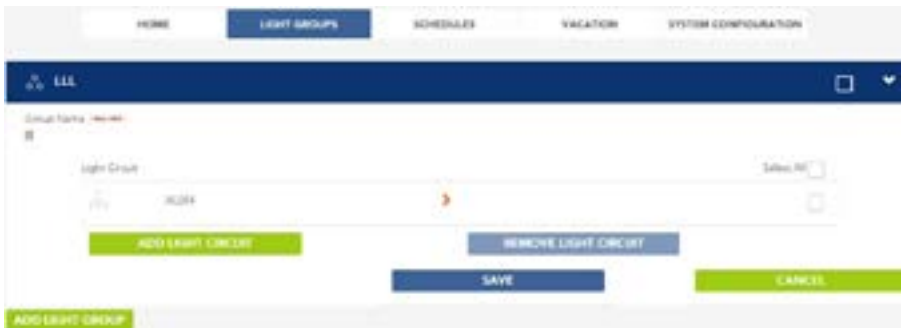
Note: The MagicStream circuit function includes the IntelliBrite LED light shows and fixed color features as well as the standard options: **Rotate Start/Stop, Mode (Color Sync), Capture, Thumper On/Off, Recall and Reset.** From the MagicStream® Light screen you can manually turn on or off the MagicStream Laminars and synchronize with other IntelliBrite LED lights. The MagicStream Laminar water effect provides a clear, turbulence-free stream of water that can be lit with a fiber optic cable. The built-in solenoid **Thumper** can create a random wrinkle in the laminar's water stream to display a brilliant spot of light that moves along the stream's arc.

Light Groups

Assign Light Groups: From Settings (3 line icon, top right corner of screen, see page 2) select Light Groups. Light Groups circuits settings include the Egg Timer (Don't Stop), Show as Feature and Freeze Protection.

Circuit Name: Enter the name of the light group in the name field.

Add Light Group: Click **Add Circuit** and **Select A Circuit** to add a circuit to the light group. Click Add Circuit again to add multiple circuits. Click **Save** to save the Light Group.



Chemistry (Home Screen)

Chemistry (Home Screen): Click the Chemistry tab on the Home screen to display the configured Chemistry Controllers (IntelliChlor® SCG and/or IntelliChem® Controller). Click the Home tab to return to the Home screen.

Configure Chemistry Controllers: From Settings (3 line icon, top right corner of screen, see page 2) select System Configuration > Chemistry Control. See page 13.



IntelliChlor SCG Controller:

Pool Output: Displays the pool chlorination output level from 0 to 100%. Use the +/- button to decrease or increase the pool chlorination output level.

Spa Output: Displays the spa chlorination output level from 0 to 100%. Use the +/- button to decrease or increase the spa chlorination output level.

Salt Level: Displays the current salt level (ppm).

SuperChlorinate: Click the Off/On button to switch on or off superchlorinate. Select the hours from 1 to 96 hours.



IntelliChem Controller (pool/spa) (use +/- controls to adjust the pH level and ORP value).

pH/Tank Level: pH is the concentration of hydrogen ions in the pool water. pH is a quantity measuring the acidity (0 to 7) or alkalinity (7 to 14) of the pool water. The pH low and high alarm set point values are preset in the factory to 6.7 and 7.9. For a pool, the ideal pH is between 7.2 - 7.8 (a pool professional should regularly check the water for metal presence, cyanuric acid levels and TDS (total dissolved solids)). To maintain accurate pH pool water measurements, regular maintenance and calibration of the pH probe is necessary before the summer season.

Continue on next page.

Chemistry (Home Screen)

ORP/Tank Level: Oxidation-Reduction Potential (ORP) is the concentration level of disinfectant (chlorine, bromine, active oxygen) present in the pool water. The ORP level is the oxidant quality in the pool water which is the result of the ratio quantity of disinfectant / quantity of pollution. It is advised to keep this "disinfection potential" measurement between 400 mV and 800 mV. To maintain accurate ORP pool water levels, regular maintenance of the ORP probe is advisable. ORP probe calibration is necessary before the summer season.

Tank Level: Click the tank segment (1-6) to match the amount of muriatic acid currently in the canister. The canister can hold a maximum of 3-1/2 gals. of muriatic acid. The Tank indicator (1-6 segment) is a visual representation of the amount of muriatic acid currently in the external canister. Click the tank bar to match the amount of muriatic acid in the canister.

Water Balance:

Salt Level, Alkalinity, Calcium Hardness, Cyanuric Acid: Recommended Pool Chemistry:

pH: 7.2 - 7.8 (use Muriatic acid to lower pH and Soda Ash to raise pH)

Combined Chlorine (Chloramines): None (super chlorinate to remove all chloramines)

Chlorine: 1.0 - 3.0 ppm

Cyanuric Acid: 30 - 50 ppm

Total Alkalinity: 80 - 120 ppm

Calcium Hardness: 200 - 400 ppm

Salt: 3000 - 4500 ppm (ideal 3400 ppm)

Metals: (Copper, Iron, Manganese): None

Nitrates: None

Phosphates: Less than 125 ppb

Total Dissolved Solids: below 5000 ppm



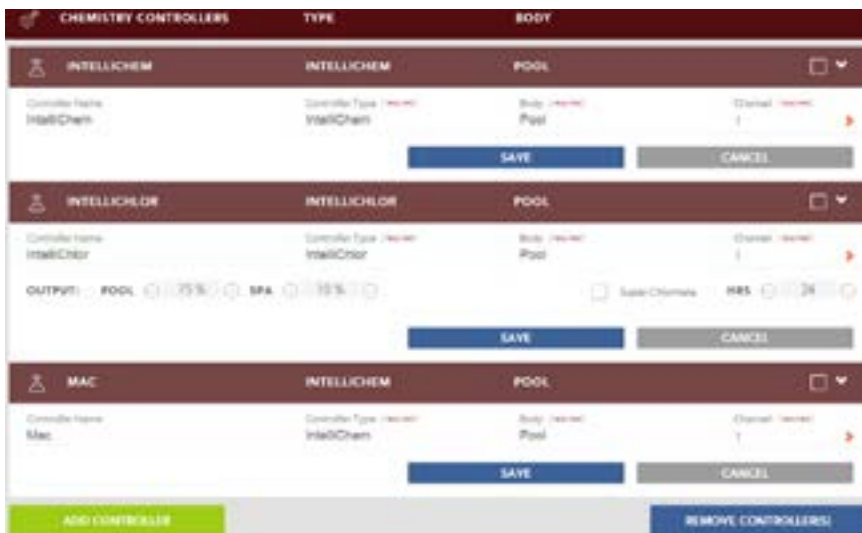
IntelliChem® Controller and IntelliChlor SCG (separate body of water)



IntelliChem Controller and IntelliChlor SCG (separate body of water)

Chemistry (Continued)

Configure Chemistry Controllers: From Settings (3 line icon, top right corner of screen, see page 2) select System Configuration > Chemistry Control. To return to the Home screen, click Settings > Manage My Pool.



Add Controller: Click Add Controller to add a chemistry controller. Name the controller in the Controller Name box. Click **Save** when finished setting up the chemistry controls shown below.

Controller Type: Select either IntelliChlor® or IntelliChem®. Configuration Note:

- One IntelliChlor and one IntelliChem, for shared equipment pool/spa.
- One IntelliChlor and two IntelliChem, for two separate bodies of water.

IntelliChem: The Body will be assigned to Pool or Spa (for separate body of water) or Poo/Spa (for shared equipment). Select a channel from 1-16.

IntelliChlor: The Body will be assigned to Pool or Spa (for separate body of water) or Poo/Spa (for shared equipment). Select a channel from 1-4.

Pool Output: Displays the pool chlorination output level from 0 to 100%. Use the -/+ button to decrease or increase the pool chlorination output level.

Spa Output: Displays the spa chlorination output level from 0 to 100%. Use the -/+ button to decrease or increase the spa chlorination output level.

SuperChlorinate: Check to start SuperChlorination. Select the hours from 1 to 96 hours.

Pumps

To access the Pump screen, from the Home screen, click the Pumps tab.

Assign a Pump Circuit: From Settings (3 line icon, top right corner of screen, see page 2) select System Configuration > Pumps. To return to the Home screen, click Settings > Manage My Pool.



To configure Pumps, see Settings > System Configuration > Pump.

Add Pump: Click Add Pump to add a new pump circuit. Name the pump in the Pump Name box. Type: Select the type of pump to add (Single Speed, Dual Speed, IntelliFlo® VS, VF, and VSF). Select a Circuit: Select the AUX circuit for the pump. Click **Save** to save the pump selection.



Pumps (Continued)

Single Speed Pump Settings: To manually turn the filter pump on or off, tap the Pool Filter Pump button on the second Pool screen (on Home screen). If the heater is on and active, and Heater Cool down feature is enabled; when you tap Pool Filter Pump button to turn off the filter, only the heater will turn off and the pool filter pump will automatically turn off after 5 minutes of heater cool down period. You can override the heater cool down period by tapping the button again to turn off the filter pump.

Dual Speed Pump Settings: Pump Type, Pump Name, Body, and High/Low Speed Circuits. For information about priming the pump.

Pump Type: Displays the current pump type. You can change the pump type if needed.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

Body: Assign the pump to a body of water (pool, spa, or pool/spa [shared equipment dual body of water]).

High Speed Circuits: Select a circuit for the high speed. You can choose up to eight (8) high speed circuits. Tap the High Speed Circuits button. Tap Add Circuit and select an AUX circuit to assign the high speed to. Tap Check to save the circuit and return to the previous screen.

IntelliFlo VS Settings: Pump Type, Name, Address (1-16), Min. Speed (450 RPM), Max. Speed (3450 RPM), Step Size (10-250 RPM), Prime Time (0-5 min.), and Prime Speed (450-3450 RPM).

Pump Type: Displays the current pump type. You can change the pump type if needed.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Check to save the name and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

Minimum Speed (RPM): This is the minimum pump speed but still generating sufficient flow in the pool. The system will not run lower than 450 RPM. The lower you can establish this flow rate the better the energy savings.

Maximum Speed (RPM): This is generally the pump speed required for backwashing the pool filter. The pump will not allow a higher speed of 3450 RPM in order to prevent damage to the pool system.

Step Size: The pump speed step size can be set from 10-250 minutes.

Priming Time (min): The system priming time can be set from 0-5 minutes.

Priming Speed (RPM): The system priming time can be set from 450-3450 RPM.

Speed Circuits: Assign the speeds to the circuits you wish to use.

Affiliated Circuit Settings:

Circuit: The assign circuit to control the pump speed.

Speed (RPM): Assign pump speed from 450 to 3450 for the selected circuit.

Pump Status: Shows the current power usage in Watts, speed, in revolutions per minute (RPM) while the pump is operating.

Pumps (Continued)

IntelliFlo VSF Settings: Pump Type, Name, Address (1-16), Min. Speed (450 RPM), Max. Speed (3450 RPM), Min. Flow (GPM 20 GPM), Max. Flow (140 GPM), Step Size (10 - 250 RPM), and Step Size (1-10 GPM).

Pump Type: Displays the current pump type. You can change the pump type if needed.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Save and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

Minimum Flow (GPM): This is the minimum flow rate speed but still generating sufficient flow in the pool. The IntelliCenter Control System will not run lower than 20 GPM. The lower you can establish this flow rate the better the energy savings.

Maximum Flow (GPM): This is generally the flow rate required for backwashing the pool filter. The pump will not allow a higher flow rate of 140 GPM to prevent damage to the pool system.

Step Size (RPM): The pump speed step size can be set from 10-250 RPM.

Step Size (GPM): The pump flow rate step size can be set from 1-10 GPM.

Speed Circuits: Assign the speeds to the circuits you wish to use.

Affiliated Circuit Settings:

Circuit: The assign circuit to control the pump speed.

Flow (GPM): Assign pump flow rate from 20-140 for the selected circuit.

Speed (RPM): Assign pump speed from 450 to 3450 for the selected circuit.

Pump Status: Shows the current power usage in Watts, flow rate in gallons per minute (GPM) or revolutions per minute (RPM) while the pump is operating.

IntelliFlo VF Settings: Pump Type, Pump Name, Pump Address (1-16), Min. Flow (15 GPM), Max. Flow (134 GPM), and Step Size (1-10 GPM).

Pump Type: Displays the current pump type. You can change the pump type if needed.

Pump Name: Tap the Pump Name button and enter the name of the pump. Tap Save and return to the previous screen.

Pump Address: Assign the pump address from 1-16.

Minimum Flow (GPM): The pump's minimum flow rate can be set from 15-134. This is the minimum flow rate speed but still generating sufficient flow in the pool. The IntelliCenter™ Control System will not run lower than 15 GPM. The lower you can establish this flow rate the better the energy savings.

Maximum Flow (GPM): The pump's maximum flow rate can be set from 15-134 GPM. This is generally the flow rate required for backwashing the pool filter. The pump will not allow a higher flow rate of 134 in order to prevent damage to the pool system.

Step Size (GPM): The pump flow rate step size can be set from 1-10 GPM.

Affiliated Circuit Settings:

Circuit: The assign circuit to control the pump speed.

Flow (GPM): Assign pump flow rate from 15-134 GPM for the selected circuit.

Pump Status: Shows the current power usage in Watts, flow rate in gallons per minute (GPM) or revolutions per minute (RPM) while the pump is operating.

History

To access the History screen, from the Home screen, click the History tab.

To return to the Home screen, click the Home tab.



Temperature/Usage: Displays history data for Pool, Spa, Solar and Air temperatures.

Chemistry/Feeds: Displays ph and ORP history data.

Jump To Today: Displays history data for the current date.

Current Week: Displays history data for the current week.

Current Month: Displays history data for the current month.

Settings

SETTINGS (see page 5): To access the Settings Menu, click the 3 line icon (top right corner of screen, see page 2) and select Settings. To return to the Home screen, click Manage My Pool.

HOME: Displays the Home screen. See page 2.

LIGHT GROUPS: Setup groups of lights. Manually turn on/off groups of lights from one button on the Home Light screen. See page 8 (Light Groups) and page 20 (Circuits Groups) for more information.

SCHEDULES: Setup daily and weekly schedules for pool/spa filter pump circuits.

VACATION: Setup vacation daily and weekly schedules for pool/spa filter pump circuits.

SYSTEM CONFIGURATION (see page 21):

GENERAL SETTINGS:

Personal Info: User name, and owner name, phone number and email address.

Location: Pool address, city, state, zip code and country. Auto fetch current location using longitude and latitude coordinates, and time zone.

Notifications: Add recipient, manage message types to display. Message Types: Circuits, Pumps, IntelliChlor, IntelliChem®, and Heaters. See page 3.

Advanced Settings: Setup Current date, Time, Clock Mode (12/24 hr.), Clock Source (Manual/Internet), Units (English/Metric), Priority (Manual Op Priority, Vacation Mode (On/Off), Valve Delay (Pump Off During Valve Rotation), Heater Cool Down Delay (Pump On during Heater Cool Down Delay), Calibration air and solar sensor.

Security: Setup system access permission with PIN numbers to system as Administrator or Guest.

CIRCUITS: SETUP AUX circuits for: OCP 0, Feature Circuits (generic/spillway), and Circuits Groups.

BODIES: Configure Pool and Spa capacity (gallons), and Spa Manual Heat On/Off.

CHEMISTRY CONTROL: Assign IntelliChlor® SCG and/or IntelliChem® Controller to body of water (pool/spa). Assign IntelliChem Controller channel (1-16).

OTHER EQUIPMENT: Assign OCP Valves, Heaters, Heater Groups and Pool and spa covers.

PUMPS: Assign pump types and AUX circuits.

REMOTES: Setup spa-side remotes (iS4, iS10, SpaCommand®, QuickTouch®).



MANAGE MY POOL

SETTINGS

MANAGE USERS

MANAGE SYSTEMS

ENABLE/DISABLE SPA-SIDE REMOTES

USERS GUIDE

ABOUT

LOGOUT

Light Groups (Settings) See page 10

Schedules (Settings)

To access the Schedule screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings then Schedules. To return to the Home screen, click Manage My Pool. Also see Vacation on page 20.

Schedule Active: Check this box to enable the programmed schedule.

Add a Schedule: Click Add Program, select an AUX circuit from the list.

Occurrence: Once: Run the schedule one time. Repeats: Repeat the schedule.

Start Time: Set the start time (am/pm) to run the schedule.

Stop Time: Set the stop time (am/pm) for the schedule.

Don't Stop: Run the schedule continuously until manually turned off.

Days To Run: Check the days to run the schedule or click Weekdays, Weekends or Everyday. Click Clear to clear the settings.

Smart Start: Auto start the schedule.

The screenshot shows the 'SCHEDULES' screen in the IntelliCenter Control System web application. At the top, there are navigation tabs: HOME, LIGHT GROUPS, SCHEDULES (selected), VACATION, and SYSTEM CONFIGURATION. Below the tabs, a status message reads: 'VACATION SCHEDULE ACTIVE. YOU MAY ADD, EDIT OR REMOVE PERS BUT THIS SCHEDULE IS NOT CURRENTLY ACTIVE.' The main content area is a form for editing a schedule. It includes a 'SELECT A CIRCUIT' dropdown menu, a 'TIME: 8:00AM - 5:00PM' field, and a 'DAYS: EVERY DAY' field. There are also checkboxes for 'Circuit', 'Smart & Circuit', and 'Schedule Active'. A 'HEAT SET POINT' section is visible with a 'See Heater 1' link. The 'OCCURRENCE' section has radio buttons for 'Once' and 'Repeats'. Below this are fields for 'START TIME', 'STOP TIME', and 'STOP TIME' (set to 5:00PM). The 'DAYS TO RUN' section has checkboxes for Sun, Mon, Tue, Wed, Thu, Fri, and Sat, along with buttons for 'WEEKDAYS', 'WEEKENDS', 'EVERY DAY', and 'CLEAR'. At the bottom of the form are 'SAVE' and 'CANCEL' buttons. A footer bar at the very bottom repeats the 'SELECT A CIRCUIT', 'TIME: 8:00AM - 5:00PM', and 'DAYS: EVERY DAY' information.

Vacation (Settings)

To access the Vacation screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings then Vacation. To return to the Home screen, click Manage My Pool. Also see Schedules on page 19.

Vacation Mode: Check the On/Off is box to enable or disable Vacation Mode.

Apply Vacation Schedule Only During the Following Time Frame: Check to enable this feature.

Start/Stop Date: Enter the Vacation Mode start and stop date.

Add Program: Click Add Program, select an AUX circuit from the list.

Circuit Setting: Select an AUX circuit or pool and spa.

Schedule Active: Check this box to enable the programmed schedule.

Occurrence: Once: Run the schedule one time. Repeats: Repeat the schedule.

Start Time: Set the start time (am/pm) to run the schedule.

Stop Time: Set the stop time (am/pm) for the schedule.

Don't Stop: Run the schedule continuously until manually turned off.

Days To Run: Check the days to run the schedule or click Weekdays, Weekends or Everyday. Click Clear to clear the settings.

Smart Start: Auto start the schedule.

General Settings (System Configuration)

Circuits/Circuits Groups: See page 22

Bodies: See page 24

Chemistry Control: See page 13

Other Equipment: See page 25

Pumps: See page 14

Remotes: See page 27

General Settings

To access the General options, click the 3 line icon (top right corner of screen, see page 2) and select Settings > System Configuration > General Settings. To return to the Home screen, click Manage My Pool. Also see Schedules on page 19.

Personal Info: Enter the pool owner's name, phone number and email.

Location: Enter the pool address, city, state, zip code and country. FETCH/LAT: Click this button to populate your current location using longitude and latitude coordinates. time Zone: Select your time zone location. Auto Adjust Time Zone for DST: Check this box to automatically set Daylight Standard Time.

Notifications: Add recipient name, phone number, and email. Manage message types to display ALL/NONE. Message Types (Click right arrow to select message types: Circuits, Pumps, IntelliChlor, IntelliChem, and Heaters. See page 2.

Advanced Settings: Setup Current date, Time, Clock Mode (12/24 hr.), Clock Source (Manual/Internet), Units (English/Metric), **Priority (Manual Op Priority, Vacation Mode (On/Off), Manual Heat, Valve Delay (Pump Off During Valve Rotation), Heater Cool Down Delay (Pump On during Heater Cool Down Delay), Calibration air and solar sensor.**

Security: Check the Security Enable box to enable the security feature. To allow Guests to have local access to the system check the Enable box. Check Show PIN Numbers to display passcode numbers.

Add Role: To add a guest, click Add Role. Select the name from the displayed list of user's (intellcenter.com).

Guest Permissions: Click the Down arrow to display the system permissions. Select which section(s) of the system that the guest has access to. Click Save to save the guest permissions.

Role: Select the Administrator permissions. Enter the four digit PIN. Enter the time allowed while entering the PIN before the system logs out.



Circuits (System Configuration)

To access the Circuits screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings > System Configuration > Circuits (Feature Circuits and Circuit Groups). To return to the Home screen, click Manage My Pool.

OCP 0 - OCP 0: Displays the IntelliCenter™ Control System AUX circuits detected installed hardware (single body: i5P, i8P, i10P, shard equipment (dual body), i5PS, i8PS, i10PS and i10D). *Note: A Wireless Controller and/or Indoor Control Panel will also be displayed.*

Circuit Name: Enter a Circuit Name from the displayed list of names or enter a different name.

Circuit Type: Click the Down arrow to display the Circuit Types (Functions). Select the function for this circuit. **Circuit Types:** Generic, Spillway, Master Cleaner, Chem Relay, Light, IntelliBrite, GloBrite, GloBrite White, MagicStream, Dimer, ColorCascade and Master Cleaner 2.

Show as Feature (Yes/No): Show assigned Feature Circuits in the Home screen Features screen.

Freeze Protection: Enable/Disable circuit freeze protection.

Egg Timer: Set the Hours, Minutes to run the program. The Egg Timer is a specified time delay (hrs/mins) for the circuit, once it is turned on.

Don't Stop: Select a manual time-out of 0-12 hours for this circuit.

Save: Click Save to save the circuits settings.



Feature Circuits (see page 8)

Circuit Groups

To access the Circuits screen, click the 3 line icon (top right corner of screen, see page 2) and select **Settings > System Configuration > Circuits (Feature Circuits and Circuit Groups)**. To return to the Home screen, click **Manage My Pool**.

Add Circuit Group: Click to assign Circuit Group settings.

Circuit Name: Enter a Circuit Name from the displayed list of names or enter a different name.

Add Circuit (AUX): Click the Down arrow to display the available circuits to add to a group or circuits.

Action: To enable or disable the Group of Circuits, click either Turn On or Turn Off.

Save: Click Save to save the circuits settings.



Bodies (System Configuration)

To access the Bodies screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings > System Configuration > Bodies. To return to the Home screen, click Manage My Pool.

OCP 0 - OCP 0 / Capacity / Spa Manual Heat: Displays the IntelliCenter® Control System AUX circuits detected installed hardware (single body: i5P, i8P, i10P, shared equipment, i5PS, i8PS, i10PS and i10D). *Note: A Wireless Controller and/or Indoor Control Panel will also be displayed.*

Pool: Click Pool to assign the body of water (pool) settings. *Note: Pool and Spa display for shared equipment. For one body of water, only one body of water will display.*

Body Name: Enter a name for the pool body of water.

Capacity: Enter the capacity of the pool body of water.

Shortcut Button:

Save: Click Save to save the circuits settings.

Spa: Click Pool to assign the body of water (pool) settings. *Note: Pool and Spa display for shared equipment. For one body of water, only one body of water will display.*

Body Name: Enter a name for the spa body of water.

Capacity: Enter the capacity of the spa body of water.

Spa Manual Heat: Check this box to enable Spa Manual Heat. Example: When the Spa pump button (or from the Spa-Side remote, or Wireless Controller) is manually turned on, the pump will turn on and the heater and the spa will begin to heat even if the heater is set to OFF. This feature allows you to program the pool pump to filter daily with the heater set to off, and then be ready to heat whenever the Spa button is pressed. Heat Enabled is switched on by default.

Shortcut Button: Click the Down arrow to display the available AUX circuits. Select the On/Off AUX circuits to display on the Home screen.

Save: Click Save to save the settings.

The screenshot displays two configuration panels for 'Bodies' in the IntelliCenter Control System web application. The top panel is for a 'POOL - POOL' with a capacity of 39,800 GAL and 'SPA MANUAL HEAT' set to N/A. Below the header, there is a 'Body Name' field containing 'Pool' and a 'Capacity' field containing '20000'. A grid of 'Shortcut Button' controls is visible, with 'AUX1' selected. A 'SAVE' button is at the bottom right of this panel. The bottom panel is for a 'SPA - SPA' with a capacity of 5,800 GAL and 'SPA MANUAL HEAT' set to OFF. It has a 'Body Name' field containing 'Spa' and a 'Capacity' field containing '8000'. A 'Spa Manual Heat' checkbox is present and unchecked. A similar grid of 'Shortcut Button' controls is shown, with 'AUX1' selected. A 'SAVE' button is at the bottom right of this panel.

Chemistry (System Configuration) See page 11

Other Equipment (System Configuration)

To access the Other Equipment screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings > System Configuration > Other Equipment. To return to the Home screen, click Manage My Pool.

VALVES:

OCP 0 - Valves: Click to assign the valve type. *Note: Displays the IntelliCenter® Control System valve assignment for the detected installed hardware (single body: i5P, i8P, i10P, shard equipment, i5PS, i8PS, i10PS and i10D).*

Return (1): Enter a Valve Name from the displayed list of names or enter a different name.

Type: *Standard* is the default valve type.

Circuit Pool: *Pool* is assigned for the Return Valve (1).

Circuit Spa: *Spa* is assigned for the Return Valve (1).

Intake (1): *Standard* is the default valve type.

Circuit Pool: *Pool* is assigned for the Return Valve (1).

Circuit Spa: *Spa* is assigned for the Return Valve (1).

Save: Click Save to save the circuits settings.

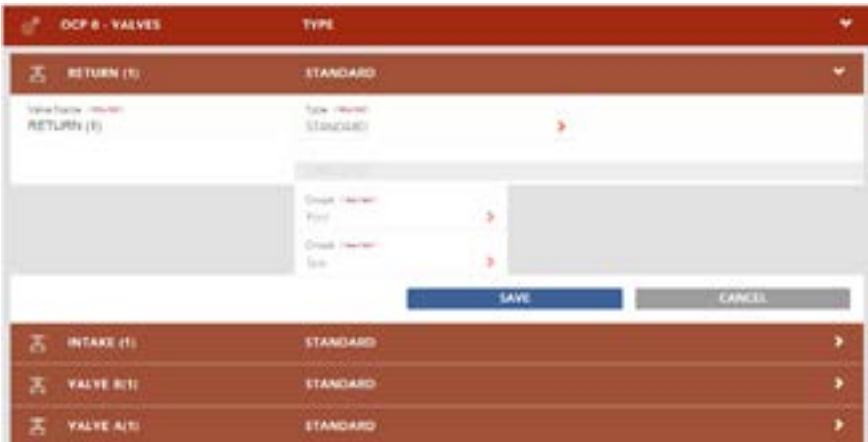
Optional Personality Card: *Note: Displays the optional IntelliCenter™ Control System valve assignment for the detected installed hardware (single body: i5P, i8P, i10P, shard equipment (dual body), i5PS, i8PS, i10PS and i10D).*

Valve B (1) - Valve A (1): Enter a name for the optional Valve B (1), Valve A (1) from the displayed list of names or enter a different name.

Type: *Standard* is the default valve type.

Circuit Type: is Select an AUX circuit for Valve B (1) and Valve A (1).

Save: Click Save to save the settings.



Other Equipment (System Configuration)

HEATERS:

Add Heater: Assign the heater to a body of water.

Heater Name: Enter a name for the heater or select a name from the displayed list.

Type: *Standard* is the default valve type.

Body: Assign the heater to a body of water (pool default)

Save: Click Save to save the settings.

The screenshot displays a web application interface for configuring heaters. It features a table with three columns: HEATERS, TYPE, and BODY. Below the table, there are two heater configuration cards. The first card is for 'SOLAR HEATER 1' with a 'SOLAR' type and 'POOL' body. The second card is for 'GAS HEATER 1' with a 'GENERIC' type and 'POOL' body. Each card includes a 'Heater Name' field, a 'Type' dropdown, and a 'Body' dropdown. Below these fields are 'Start Temperature' and 'Stop Temperature' controls. At the bottom of each card are 'SAVE' and 'CANCEL' buttons. At the bottom of the entire interface are 'ADD HEATER' and 'REMOVE HEATERS' buttons.

HEATERS	TYPE	BODY
SOLAR HEATER 1	SOLAR	POOL
GAS HEATER 1	GENERIC	POOL

Pumps (System Configuration) See page 14

Remotes (System Configuration)

To access the Other Equipment screen, click the 3 line icon (top right corner of screen, see page 2) and select Settings > System Configuration > Remotes. To return to the Home screen, click Manage My Pool.

Add Remote: Remote Name: Enter a name for the remote or select a name from the displayed list.

Type: Select the spa-side remote from the list (iS4, iS10, SpaCommand®, QuickTouch®). Assign the displayed remote buttons.

Body / Select a Body: Select either Pool or Spa.

Pool Control / Select a Pump: Select a pump from the list (Filter Pump).

Active: Check this box to enable the remote.

Button / Select a Circuit: Assign each button to an AUX circuit.

Save: Click Save to save the settings.

GENERAL SETTINGS	CIRCUITS	BODIES	CHEMISTRY CONTROL	OTHER EQUIPMENT	PUMPS	REMOTES								
<table border="1"> <thead> <tr> <th>REMOTES</th> <th>TYPE</th> <th>ADDRESS</th> <th>ACTIVE</th> </tr> </thead> <tbody> <tr> <td>iS4 Remote 128</td> <td>iS4</td> <td></td> <td>YES</td> </tr> </tbody> </table>							REMOTES	TYPE	ADDRESS	ACTIVE	iS4 Remote 128	iS4		YES
REMOTES	TYPE	ADDRESS	ACTIVE											
iS4 Remote 128	iS4		YES											
<p>Remote Name: iS4 Remote 128 Type: iS4</p> <p>Button 1: AUX1 Button 2: AUX2 Button 3: AUX3 Button 4: AUX4</p> <p>SAVE CANCEL</p>														
<table border="1"> <tbody> <tr> <td>iS4 Remote 128</td> <td>iS4</td> <td></td> <td>YES</td> </tr> </tbody> </table>							iS4 Remote 128	iS4		YES				
iS4 Remote 128	iS4		YES											
ADD REMOTE		REMOVE REMOTE(S)												

Accept Invitation

Please enter the password you would like to use

1. Administrator logs into IntelliCenter®
2. Selects the “hamburger” drop down menu icon in the top right (ideally we could insert a pic of this in this sentence)
3. Choose the “Manage Users” selection
4. Same
5. same

DENTAID

Accept Invitation

You have been invited to access and control a DentaID IntelliCenter pool. Identify as:

→ My Property

Please complete the following information:

Your email address: **aaedgardo@gmail.com** will be your username.

Password: ✓

Confirm New Password: ✓

The New Password:

- ✓ Must contain at least 8 characters (upper or lower case)
- ✓ Must contain at least 1 uppercase alpha character (A-Z)
- ✓ Must have with Confirms New Password

[Create Account](#) | [Existing Account](#)

Existing Account

I already have an account - I want to attach this pool system to my existing account.”

Click ATTACH and is succesful Has been successfully attached to the My Property system. My Property the property name? Maybe we should list this info:

Has been successfully attached to the following Pool system:

Edgard Rodriguez 123 Sunny Happy Place Moorpark, CA 93021

EXISTING ACCOUNT

I already have an account - attach the pool system to my existing account

Email:

Password:

[CANCEL](#) [ATTACH](#)

EXISTING ACCOUNT

Your account: **aaedgardo@gmail.com**

Has been attached to **My Property** Pool system successfully.

[CLOSE](#) [OPEN](#)

Click OPEN to connect to IntelliCenter.com

Invitation Has Expired

To resend the invite, please ask the Pentair IntelliCenter® pool/spa control system Administrator to generate a new invitation.





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P/N 523351 Rev. A 4/2021